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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,761	01/21/2004	Stephanie Marie Law	06005/39297	2885

4743 7590 06/29/2005

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EXAMINER

KRISHNAMURTHY, RAMESH

ART UNIT	PAPER NUMBER
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3753

DATE MAILED: 06/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/761,761	LAW, STEPHANIE MARIE	
	Examiner	Art Unit	
	Ramesh Krishnamurthy	3753	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 March 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 - 13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>03/21/05&06/21/04</u> . | 6) <input type="checkbox"/> Other: _____ |

This office action is responsive to communications filed 03/21/05.

Claims 1 – 13 are pending.

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1 – 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Yonnet (GB 2,252,848 A).

Yonnet discloses a pressure loaded pilot valve system (Figure 1, for example) for a regulator valve, comprising:

A regulator valve (14) connecting an inlet line carrying fluid at an inlet pressure to an outlet line carrying fluid at an outlet delivery pressure;

A servo control assembly (28);

A pilot valve assembly (18) that has a spring-to-close configuration;

A supply line (27) connected to the servo control assembly, carrying fluid at a supply pressure;

A pilot loading pressure line (29) connecting the servo control valve assembly to the pilot valve assembly, carrying fluid at a pilot loading pressure; and

An exhaust line (11) connecting the servo control valve assembly to the outlet line, carrying fluid at an exhaust pressure.

A supply pressure valve (56) and an exhaust pressure valve (58) are included and are connected to an electronic control unit (connected to a memory (54), interface (35, 37)). A loading pressure transducer is included, as well (page 8, lines 13 – 18).

The disclosure of Yonnet (page 6, line 22 – page 7, line 7; for example together with Fig. 1) clearly suggests that the pilot valve (18) includes plug connected to a diaphragm and attached to a puller post since such a configuration is conventional to a diaphragm operated, spring-biased valve.

It is noted that the arrangement disclosed by Yonnet necessarily performs the method recited in claims 11 and 12 in its usual and normal operation.

3. Claim 13 is rejected under 35 U.S.C. 102(b) as anticipated by Yonnet (GB 2,252,848 A) as set forth above or, in the alternative, under 35 U.S.C. 103(a) as obvious over Yonnet (GB 2,252,848 A) in view of Schmidt (US 4,084,539).

Yonnet discloses a pilot valve (18) that is a diaphragm operated and spring-biased, with the delivered pressure determined by the spring setting of the pilot valve. It is believed that spring bias is adjustable via a stop-nut as is conventional in the art.

However, should it be determined that Yonnet does not include such a stop-nut for adjusting the spring bias, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided such a stop nut for the purpose of providing means to adjust the spring bias, as evident from the disclosure of Schmidt (see element (62) in the pilot valve (14) in Fig. 1).

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

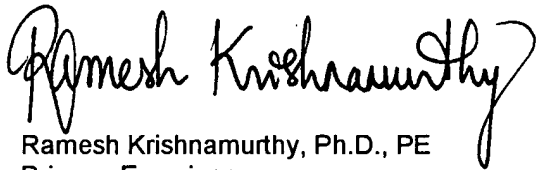
Art Unit: 3753

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramesh Krishnamurthy whose telephone number is (571) 272 – 4914. The examiner can normally be reached on Monday - Friday from 10:00 AM to 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene L. Mancene, can be reached on (571) 272 – 4930. The fax phone number for the organization where this application or proceeding is assigned is (703) 872 – 9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308 - 0861.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ramesh Krishnamurthy, Ph.D., PE
Primary Examiner
Art Unit 3753